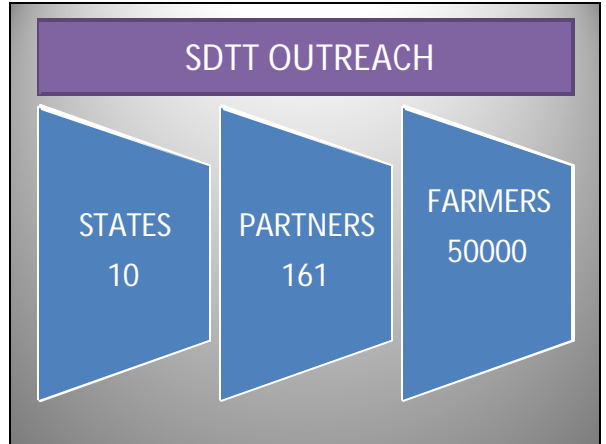


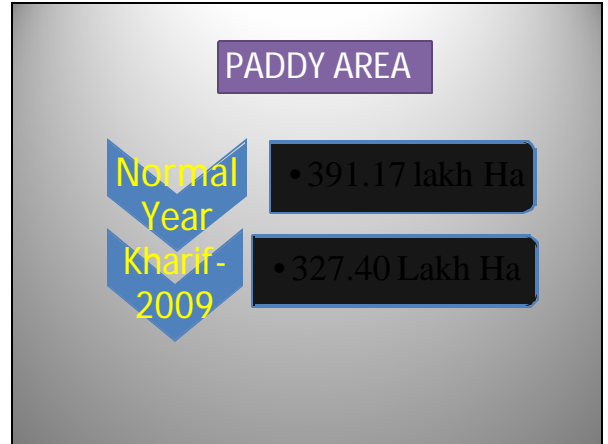
A comparison study on Drought coping ability of SRI (System of Rice Intensification) and CMP (Common Management Practices) method of rice cultivation in India

SRI SECRETARIAT, SDTT ,
Bhubaneswar



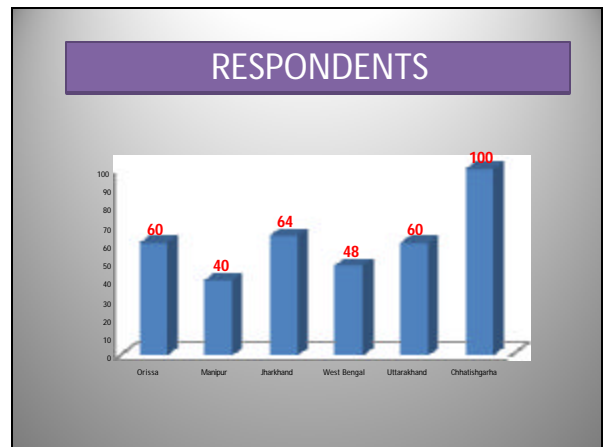
Why study



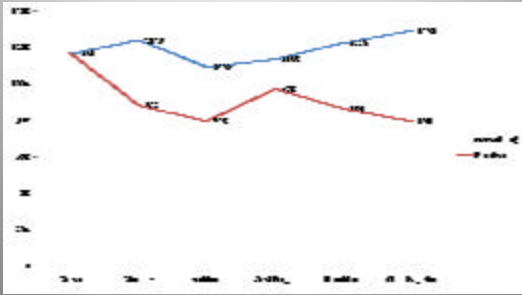


Objective

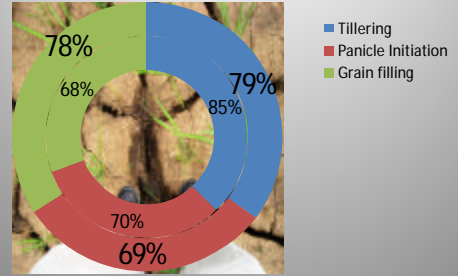
- To find out the ability of different method of cultivation to cope with drought like situation.
- To find out suitable management practices for coping with water stress.



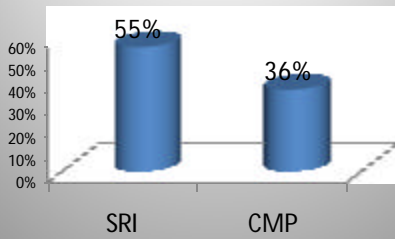
RAIN FALL PATTERN (IN mm)



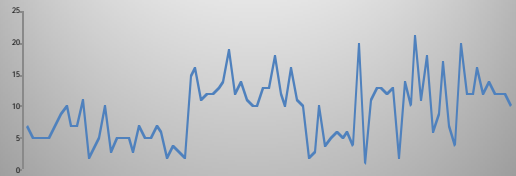
STAGES OF CROP AFFECTED

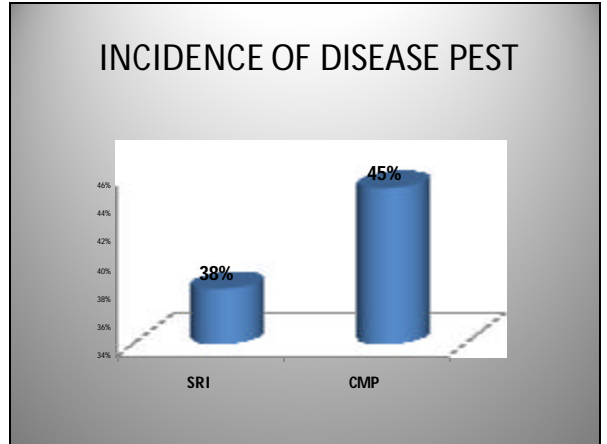
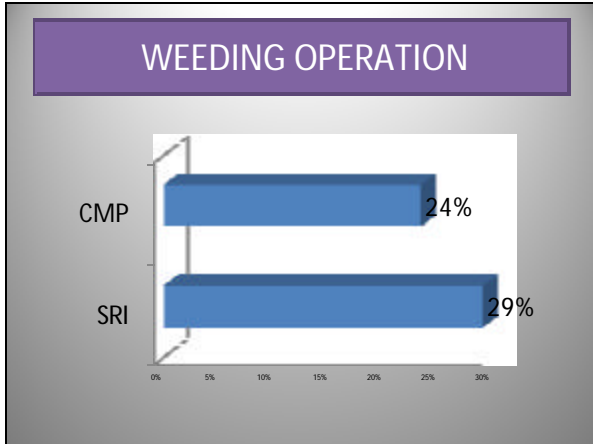


TRANSPLANTING

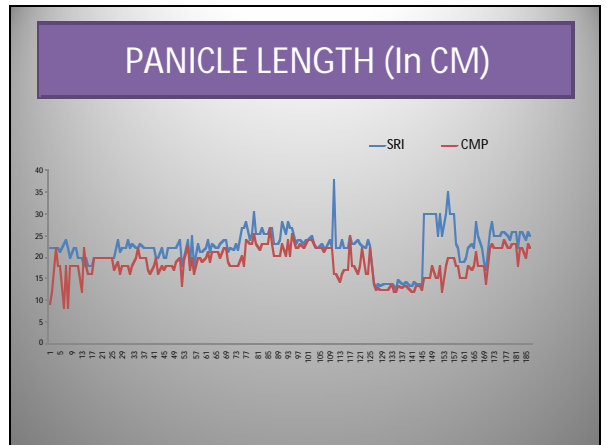


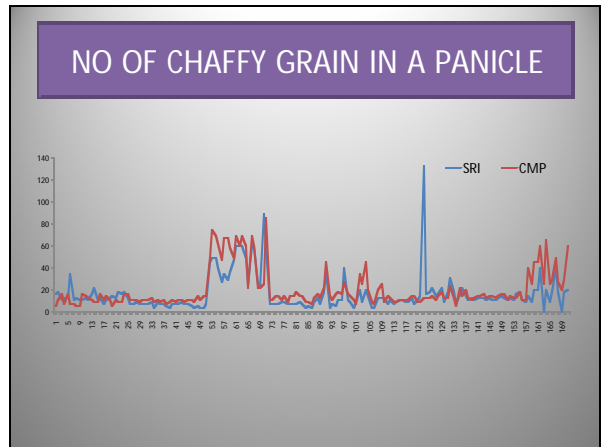
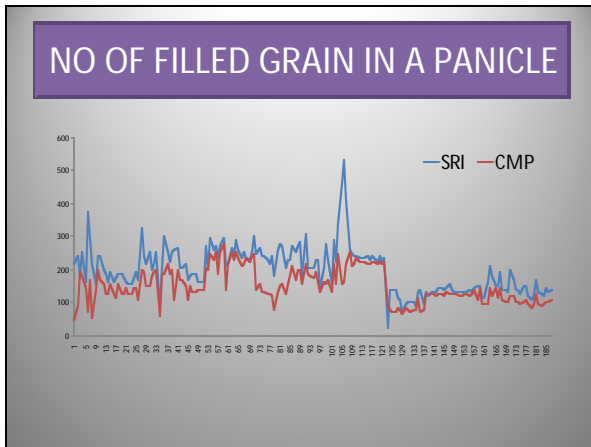
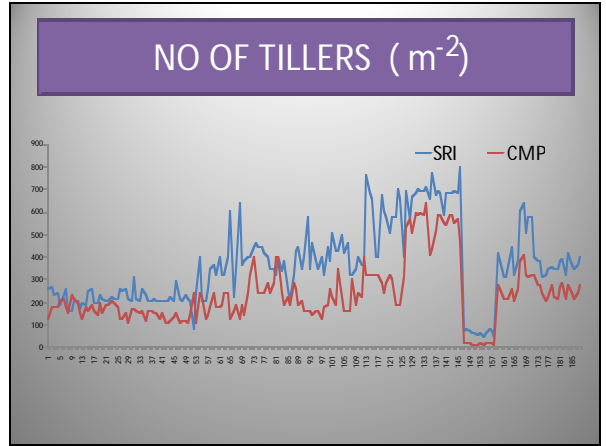
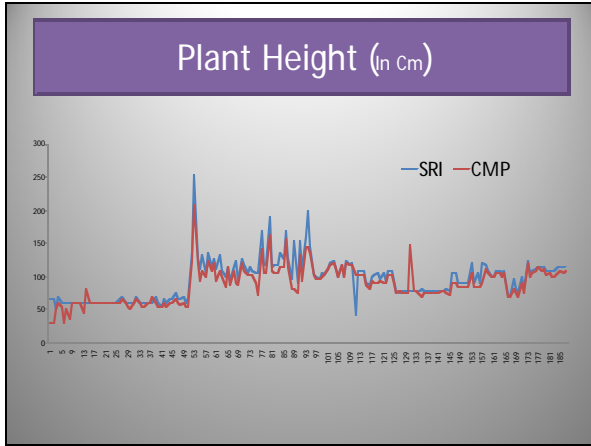
DELAY IN TRANSPLANTING (DAYS)

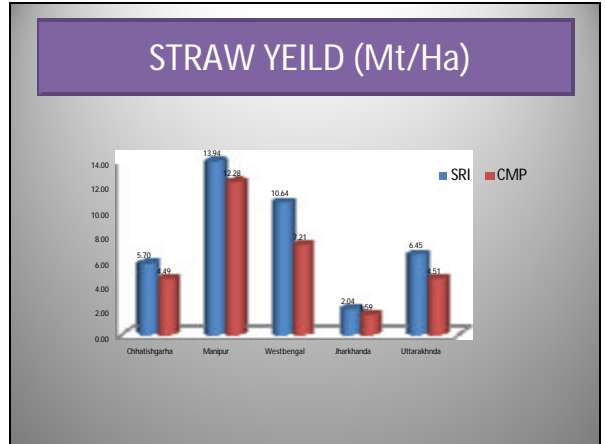
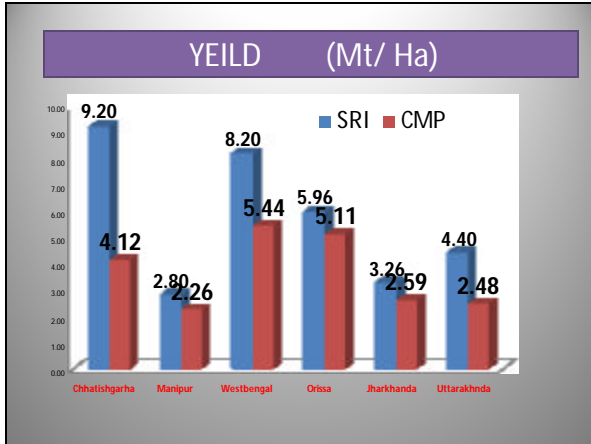




- ### COPING STRATEGY
- Life saving irrigation by using pumpset from pond .
 - Planted more no of seedlings per hill
 - Insitu conservation of water by not allowing to drain out.







COMMENTS FROM FIELD.....

SRI gives better yield even in drought compare to CMP
 The method of SRI has more productivity rather than traditional. Production would be high if mansoon comes early and rainfall is sufficient.

If it is SRI you don't need to flood the soil during irrigation just saturate. **One CMP irrigation=2 SRI irrigation.**

If it is SRI you don't need to flood the soil during irrigation just saturate.

Organic practice rejuvenate the soil and increases the moisture holding capacity and therefore SRI gives more yield than CMP.

SRI keeps the crop green till the end, even if there is less rain the panicle length and numbers are much more than the CMP

COMMENTS FROM FIELD.....

Indegenous variety gives better result through SRI even in the lower rainfall years

Even then there was no rain during pannicle initiation-due to larger panicle,more nos. of solid grain SRI yielded much more.

SRI with indegenous variety best fits during scarce rainfall.

Roots go deeper ensures production and water for plants.

SRI is the best fitting technology for erratic and delayed monsoon. It fits well with the HYV.

Delayed rain, local varieties are the best, to get higher yield introduce SRI with local variety

SRI is the best fitting technology for erratic and delayed monsoon. One should keep patience doing SRI during drought- no standing water, not necessarily require irrigation.

